

Response to 7/26/05 Restriction Requirement

AMENDMENTS TO THE CLAIMS

Pending Claims:

At the time of the 7/26/05 Restriction Requirement:

1-21.

As a result of the present communication:

1-21.

Amended Claims:

As a result of the present communication:

11 and 18.

Withdrawn Claims:

As a result of the present communication:

none.

1. (Original) A method of determining a start of scan time in a laser scanning system utilizing a scanning reflector, comprising:

directing a laser beam toward the scanning reflector so as to be reflected by the scanning reflector;

returning the laser beam reflected from the scanning reflector toward the scanning reflector for at least one additional reflection from the scanning reflector;

detecting the laser beam reflected at least twice from the scanning reflector; and

controlling the start of scan of the scanning system, responsive to the detection of the laser beam.

2. (Original) A method according to claim 1, wherein transmitting the laser beam toward the scanning reflector comprises transmitting a beam separate from a beam used for conveying data in the scanning system.

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3. (Original) A method according to claim 1, wherein detecting the laser beam comprises detecting by a detector adjacent a source of the laser beam.
4. (Original) A method according to claim 2, wherein detecting the laser beam comprises detecting by a detector adjacent a source of the laser beam.
5. (Original) A method according to claim 1, wherein detecting the laser beam comprises detecting by a detector included in a single housing with a source of the laser beam, which housing does not encompass the scanning reflector.
6. (Original) A method according to claim 2, wherein the separate beams are generated by a single source and are split on their way to the scanning reflector.
7. (Original) A method according to claim 1, wherein transmitting the laser beam toward the scanning reflector comprises transmitting a same beam as used for conveying data in the scanning system.
8. (Original) A method according to claim 1, wherein the scanning reflector comprises an oscillating reflector.
9. (Original) A method according to claim 1, wherein the scanning reflector comprises a rotating polygon reflector.
10. (Original) A method according to claim 5, wherein the scanning reflector comprises a rotating polygon reflector.
11. (Currently amended) A laser scanning system, comprising:
 - a laser beam source modulated by data;
 - a scanning reflector;

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at least one reflector positioned to receive light from the source that has been reflected from the scanning reflector back toward the scanning reflector;

a detector adapted to detect light reflected at least twice from the scanning reflector; and

a controller adapted to control the timing of the data, including a start of scan of the scanning system, responsive to the detection of light by the detector.

12. (Original) A laser scanning system according to claim 11, wherein the at least one reflector comprises a plurality of reflectors, positioned such that the beam is reflected from the reflector more than twice before being detected.

13. (Original) A laser scanning system according to claim 11, wherein the scanning reflector comprises a rotating polygon reflector.

14. (Original) A laser scanning system according to claim 12, wherein the scanning reflector comprises a rotating polygon reflector.

15. (Original) A laser scanning system according to claim 11, wherein the scanning reflector comprises an oscillating reflector.

16. (Original) A laser scanning system according to claim 12, wherein the scanning reflector comprises an oscillating reflector.

17. (Original) A laser scanning system according to claim 11, wherein the laser beam source and the detector are included together in a single housing not encompassing the scanning reflector.

18. (Currently amended) A laser scanning system, comprising:
a laser beam source;

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a scanning reflector;
a detector adapted to detect light reflected from the scanning reflector;
a mounting element having the laser beam source and the detector but not the scanning reflector mounted therein or thereon; and
a controller adapted to control the timing of the scanning system, including a start of scan of the scanning system, responsive to the detection of light by the detector.

19. (Original) A laser scanning system according to claim 18, wherein the scanning reflector comprises an oscillating reflector.

20. (Original) A laser scanning system according to claim 18, wherein the scanning reflector comprises a rotating polygon reflector.

21. (Original) A laser scanning system according to claim 18, comprising an additional reflector adapted to reflect light from the source, which was reflected from the scanning reflector, back onto the scanning reflector.